Matrix Transpose Operation

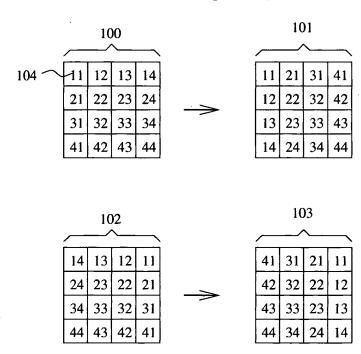


Figure 1

Method for matrix transpose (prior art)

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V0 ~	a3	a2	al	a0		201
VI ~	b3	ь2	b1	ь0		
V2 ~	с3	c2	c1	c0		
V3 ~	d3	d2	dl	d0		

Figure 2

Method for Matrix Transpose (prior art)

t0 = Unpack LW R0 R2 = b2 b0 a2 a0

t1 = Unpack LW R1 R3 = | b3 | b1 | a3 | a1

V0 = Unpack LW t0 t1 = | a3 | a2 | a1 | a0

Figure 3

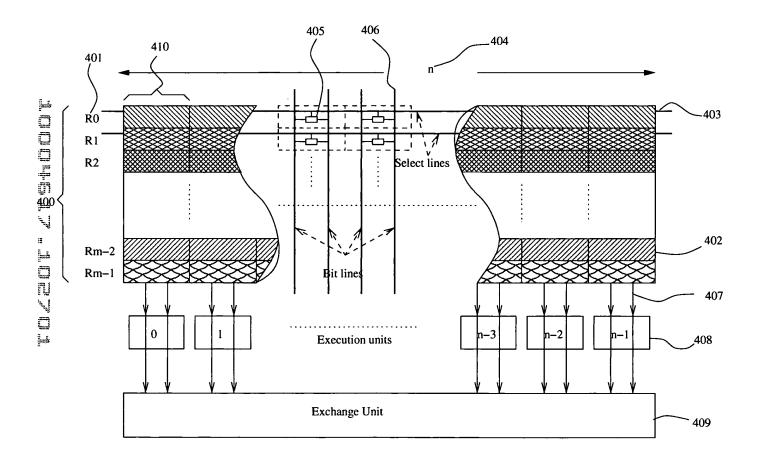


Figure 4

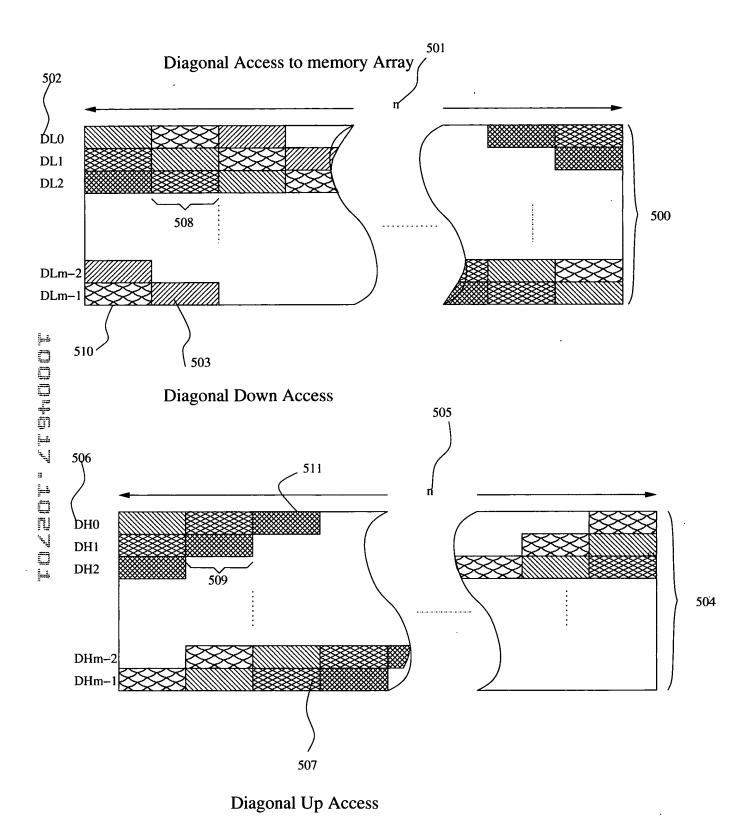


Figure 5

13

Figure 6A

18 28 38 48

58 68

78 88

DL7~

N

Figure 6B

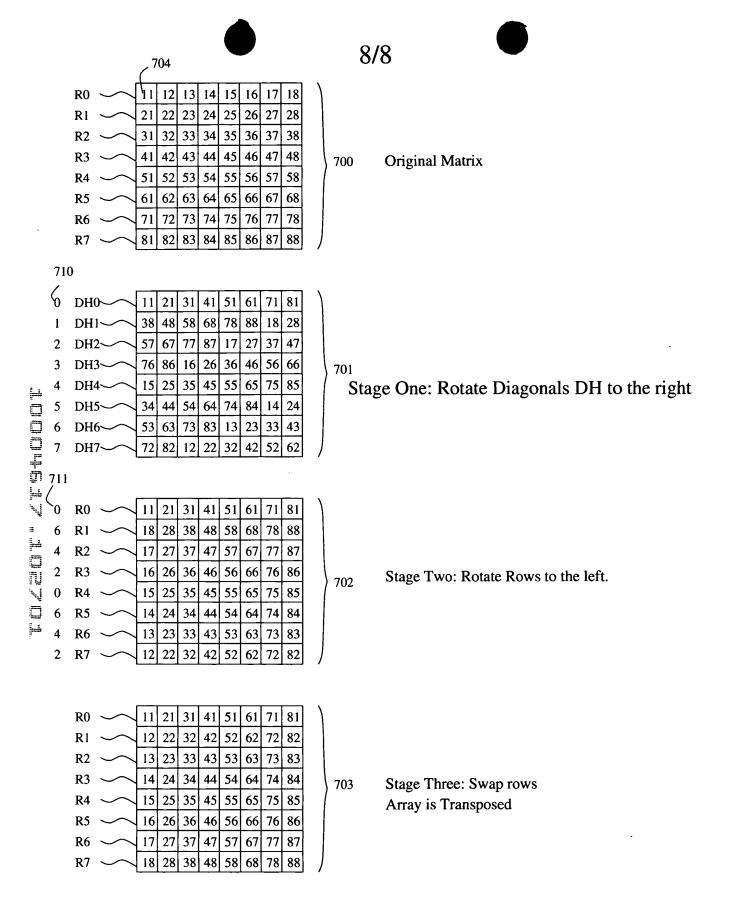


Figure 7